Vandiemen Optics
vandiemenbroadcast.co.uk

LEICA

35mm Compact

50mm Compact

COMPACT LENSES

The Compact range of lenses are all High Speed F1.4 optical designs. They are close focus lenses with a Macro capability. They do, however, retain all the features of a pure high speed lens. This versatility is possible because of the patented wire form Variable pitch lens movement incorporated in the construction of these lenses. An additional characteristic of this range is their light weight, a feature also made possible by the patented mechanical design. The combination of these characteristics make these lenses particularly suitable for applications where weight and precise control of focus are important such as motion control, camera stabilization equipments and hand held use. All the compact range are internal focus and fully geared for motorisation. Each focal length lens has a separately computed focus helix to achieve the best possible focus scale for the particular focal length.

The 35mm F1.4 Compact

This high speed lens has outstanding optical performance, it has been designed to perform particularly well in extremely poor lighting conditions. Distortion characteristics have been carefully controlled to very low levels for a lens of this focal length.

The 50mm F1.4 Compact

For a very high speed lens the 50mm F1.4 offers exceptionally good high contrast optical performance throughout its focusing range. The genuine working aperture of F1.4 offers a range of compositional possibilities.

LENS	35mm Compact	50mm Compact
Nominal Focal Length	35mm	50mm
F/No	1.4	1.4
Max Stop	16	16
Front Diameter	80mm	80mm
Length (Front to focal plane)	130mm	130mm
Weight	1.2kg	1.126kg
Iris Gearing	Ø107mm 32DP 132 Teeth	Ø107mm 32DP 132 Teeth
Focus Gearing	Ø107mm 32DP 132 Teeth	Ø107mm 32DP 132 Teeth
Angular FOV (Academy **)	33.6 x 24.6 (Ø40.9)mm	23.8 x 17.4(Ø29.2)mm
Min Distance (marked)	9 inches	1 foot 3 inches
Macro Ratio	1:4	1:5
Lens Construction (elements/components)	10/9	7/6
Back Focus adjustment	Thick shims	Thick shims

Mounts: PL, Aaton, BNCR (with modification), Panavision (pending)
** Academy dimension - 21.11mm by 15.29mm (diagional - 26.1mm)